

# Converting Colors

XYZ(35.8995, 39.3959, 64.7444)

Have a look what the booklet for  
XYZ(35.8995, 39.3959, 64.7444)  
contains.

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# Color

**XYZ(35.8789, 39.3787,  
64.7413)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85ADCF
RGB	133, 173, 207
RGB Percent	52%, 68%, 81%
CMY	0.4784, 0.3216, 0.1882
CMYK	0.36, 0.16, 0.00, 0.19
HSL	208°, 44%, 67%
HSV	208°, 36%, 81%
XYZ	35.8789, 39.3787, 64.7413
YIQ	164.9160, -34.7540, 2.0940

# Conversions

## Conversions Part 2

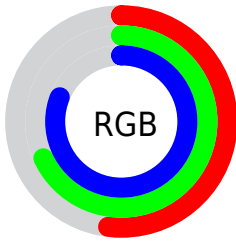
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 159, 207
Decimal	8760783
CIELab	69.02, -5.13, -21.58
CIElCh	69, 22.185, 256.634
Yxy	39.3787, 0.2563, 0.2813
Android (android.graphics.Color)	4286950863 (0xFF85ADCF)
YUV	164.9160, 20.7474, -27.9903
Hunter-Lab	62.7525, -7.7589, -17.2424

# Details

The XYZ color **35.8789, 39.3787, 64.7413** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.7851, 42.5968, 28.1057**, and the grayscale version is **35.6406, 37.4967, 40.8339**.

A 20% lighter version of the original color is **66.5324, 73.3982, 105.2684**, and **15.8954, 17.6801, 32.7118** is the 20% darker color. If you saturate the color by 10%, you get **31.1682, 34.3394, 64.0176**, and if you desaturate by 10%, it is **41.3660, 45.0127, 65.5403**.

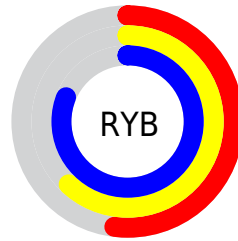
# Distribution



Red (52%)

Green (68%)

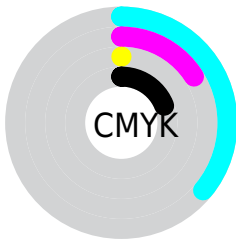
Blue (81%)



Red (52%)

Yellow (62%)

Blue (81%)

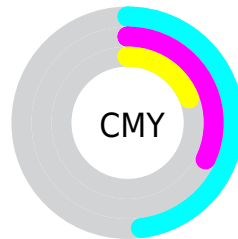


Cyan (36%)

Magenta (16%)

Yellow (0%)

Black (19%)



Cyan (48%)

Magenta (32%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8789, 39.3787, 64.7413 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 35.8789, 39.3787, 64.7413 by changing the saturation by 10% instead.



■ 35.8789, 39.3787,  
64.7413

■ 35.8789, 39.3787,  
64.7413

319.8714,  
343.4979, 460.1425

■ 24.5104, 27.0545,  
46.8013

■ 68.1702, 74.2165,  
113.2876

■ 15.8394, 17.6141,  
32.5254

■ 89.8237, 97.4988,  
144.7309

■ 9.5007, 10.6733,  
21.4950

■ 115.6362,  
125.2026, 181.5125

■ 5.1289, 5.8476,  
13.2915

145.9730,  
157.7124, 224.0508

■ 2.3586, 2.7526,  
7.4965

181.1996,  
195.4123, 272.7644

■ 0.8244, 1.0040,  
3.6914

221.6813,

■ 0.0000, 0.0000,

238.6870, 328.0719

1.4576

267.7835,  
287.9207, 390.3917

■ 0.0000, 0.0000,  
0.1861

■ 0.0000, 0.0000,  
0.0000

■ 35.8789, 39.3787,  
64.7413

■ 35.8789, 39.3787,  
64.7413

■ 31.1682, 34.3394,  
64.0176

■ 41.3660, 45.0127,  
65.5403

■ 27.1893, 29.8653,  
63.3637

■ 47.6631, 51.2600,  
66.4142

■ 23.8989, 25.9307,  
62.7777

■ 54.8065, 58.1440,  
67.3665

■ 21.2466, 22.5055,  
62.2563

■ 62.8290, 65.6851,  
68.3992

■ 19.1744, 19.5553,  
61.7961

■ 71.7614, 73.9028,  
69.5146

■ 17.6113, 17.0389,  
61.3928

■ 80.8179, 82.3955,  
70.6765

■ 17.0453, 16.0705,  
61.2357

■ 83.5382, 87.8363,  
71.5833

■ 86.4053, 93.5703,  
72.5390

■ 88.2626, 97.2850,  
73.1581

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.9523, 39.3787, 58.6426



35.8789, 39.3787, 64.7413



39.4079, 39.3787, 64.3638

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.8789, 39.3787, 64.7413



44.3260, 39.3787, 37.5421



32.7011, 39.3787, 30.8509

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



35.8789, 39.3787, 64.7413



43.7851, 42.5968, 28.1057

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.5160, 39.3787, 26.7988



35.8789, 39.3787, 64.7413



42.2922, 39.3787, 30.2248

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.8789, 39.3787, 64.7413



44.4384, 39.3787, 47.5359



39.0216, 39.3787, 26.5892



31.1971, 39.3787, 38.5323



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.8789, 39.3787, 64.7413



41.6324, 39.3787, 60.4716



39.0216, 39.3787, 26.5892



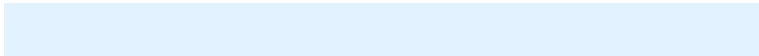
33.5171, 39.3787, 29.0759

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



35.8802, 39.3802, 64.7422



81.4985, 87.1141, 107.1270



38.8971, 52.3772, 44.2816



17.1122, 18.3253, 22.8852



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

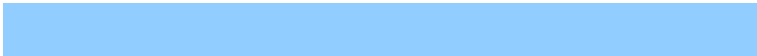


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8802, 39.3802, 64.7422



51.5299, 56.7537, 102.8464



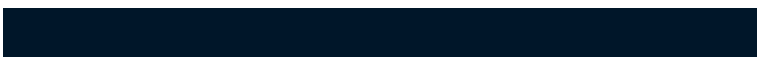
29.8394, 27.2988, 62.7286



11.6855, 12.4612, 15.0330



10.8349, 10.3164, 38.6127



0.6847, 0.7346, 2.1853



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41.6635, 33.0587, 43.7219



62.3929, 46.0075, 63.1107



51.3934, 57.8133, 30.6418



12.0721, 11.9136, 13.6557



18.0997, 9.1127, 10.6971

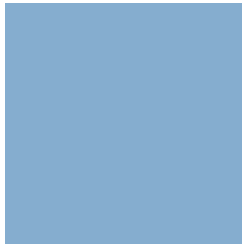


1.0518, 0.5255, 0.8078



# Previews

## White Background



This preview shows how the XYZ color 35.8789, 39.3787, 64.7413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.8789, 39.3787, 64.7413 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

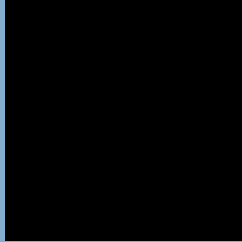
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.8789, 39.3787, 64.7413**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.8789, 39.3787, 64.7413.



This preview shows how white text looks on a background with the XYZ color 35.8789, 39.3787,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

35.8789, 39.3787, 64.7413

### Protanopia

38.7941, 39.0103, 61.3622

### Deuteranopia

40.0680, 39.3002, 65.7955



## Tritanopia

33.8729, 39.4355, 54.5417

# Trichromacy



## Original Color

35.8789, 39.3787, 64.7413

## Protanomaly

37.6647, 39.2196, 62.7117

## Deuteranomaly

38.3367, 39.2347, 65.2270

## Tritanomaly

34.4997, 39.3913, 58.0095

# Monochromacy



## Original Color

35.8789, 39.3787, 64.7413

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

35.3777, 38.0729, 48.6642

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.8789, 39.3787, 64.7413 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(133, 173, 207)` looks like.

```
.text, #text, p{  
    color:rgb(133, 173, 207)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(133, 173, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 173, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 35.8789, 39.3787, 64.7413 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 173, 207) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(133, 173, 207) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(133, 173, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 173, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 173, 207);  
box-shadow:4px 4px 4px 4px rgb(133, 173,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.8789, 39.3787, 64.7413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 173, 207) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(133,  
173, 207) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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